



Atty. Dkt. No. 071671-0173

JPW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Bunichi INAGI et al.  
Title: WIRELESS NETWORK SERVICE  
PROVISION METHOD AND WIRELESS  
NETWORK SYSTEM  
Appl. No.: 10/724,820  
Filing Date: 12/2/2003  
Examiner: Chin, Wellington  
Art Unit: 2616  
Conf. No.: 2732

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding Japanese application. Excerpts from the English-language translation setting forth the portion of the Office Action considered relevant by the examiner are as follows:

Notes (For cited documents, see List of Cited Documents)

- Claims 1, 6
- Cited documents 1, 2
- Remarks

Cited document 1 describes performing encryption (corresponding to payload processing of the present application) using encryption keys assigned to each slave station.

Cited document 2 describes performing encryption using different encryption keys for each user when a terminal is utilized by multiple users.

- Claims 2, 3, 7, 8
- Cited documents 1-4
- Remarks

Cited documents 3 and 4 describe preparing a plurality of keys in advance and assigning keys from among them.

- Claims 4, 5, 9-12
- Cited documents 1, 2
- Remarks

List of Cited Documents

1. Unexamined Patent Application Publication 2000-031980
  2. Unexamined Patent Application Publication H09-139735
  3. Unexamined Patent Application Publication H11-163849
  4. Unexamined Patent Application Publication 2000-261427
- Fields searched IPC H04L12/28-12/46

A full English translation of the foreign-language document of reference B1 and B3-B4 are not readily available. However, an English language abstract for each of the foreign-language documents is provided. The absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language document (37 CFR §1.98)

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**STATEMENT**

The undersigned hereby states in accordance with 37 CFR §1.704(d) that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

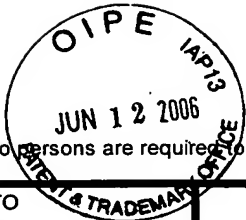
Respectfully submitted,

Date June 12, 2006

By 

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 672-5435  
Facsimile: (202) 672-5399

Phillip J. Articola  
Attorney for Applicant  
Registration No. 38,819



MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: June 12, 2006

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/724,820
Filing Date	12/2/2003
First Named Inventor	Bunichi Inagi
Group Art Unit	2616
Examiner Name	Chin, Wellington
Attorney Docket Number	071671-0173

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

**UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1	JP	2000-261427	A	TOSHIBA CORP.	09-22-2000		
	B2	EP	1 035 684	A2	KABUSHIKI KAISHA TOSHIBA	09-13-2000		
	B3	JP	11-163849		MATSUSHITA ELECTRIC WORKS LTD.	06-18-1999		
	B4	JP	09-139735		HITACHI SOFTWARE ENG CO. LTD.	05-27-1997		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.